

**NEW UTILITY PATENT  
APPLICATION TRANSMITTAL**

(to be used for new applications only)

Attorney Docket Number

First Named Inventor

Lloyd C. Mostrom

Total Pages in this Submission

9

**APPLICATION ELEMENTS**

Notice: Checklist items mentioned under Application Elements section construct a new utility patent application. Please refer to MPEP Sections 506, 501, (37CFR 1.77, 1.53, 35 USC 111, 112, 113) for detailed explanation regarding completeness of an original patent application.

1. ☒ Fee Transmittal Form (prescribed filing fee(s))
2. Specification
  - ☒ Title of the Invention
  - ☒ Cross References to Related Applications (if applicable)
  - ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - ☐ Reference to Microfiche Appendix (if applicable)
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings (if drawings filed)
  - ☒ Detailed Description
  - ☒ Claim or Claims
  - ☐ Abstract of the Disclosure
3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
4. ☐ Executed Declaration
5. Genetic Sequence Submission (if applicable, all must be included)
  - ☐ Paper Copy
  - ☐ Computer Readable Copy
  - ☐ Statement Verifying Identical Paper and Computer Readable Copy

**ACCOMPANYING APPLICATION PARTS**

6. ☐ Assignment Papers
7. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
8. ☐ Computer Program in Microfiche
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Petition Checklist and Accompanying Petition
12. ☐ Preliminary Amendment
13. ☐ Proprietary Information
14. ☐ Return Receipt Postcard
15. ☐ Small Entity Statement
16. ☐ Additional Enclosures (please identify below):

00727 U.S. PTO  
10/687653

102003

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm  
or  
Individual name

Lloyd C. Mostrom

Signature

*Lloyd C. Mostrom*

Date

10/20/03

**FOR OFFICIAL USE ONLY**

|                    |                  |                         |  |                    |  |
|--------------------|------------------|-------------------------|--|--------------------|--|
| Application Number |                  | Class                   |  | Independent Claims |  |
| Date of Receipt    | Application Type | GAU                     |  | Total Claims       |  |
|                    | Filing Date      | Foreign Filing License? |  | Drawing Sheets     |  |
|                    | Small Entity     | Foreign Address?        |  | Special Handling?  |  |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments or the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



16698 U.S. PTO

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| FEE TRANSMITTAL              |  | Complete If Known       |                  |
|------------------------------|--|-------------------------|------------------|
|                              |  | Application Number      |                  |
| TOTAL AMOUNT OF PAYMENT (\$) |  | Filing Date             |                  |
|                              |  | First Named Inventor    | Lloyd C. Mostrom |
|                              |  | Group Art Unit          |                  |
|                              |  | Examiner Name           |                  |
|                              |  | Attorney Docklet Number |                  |

| METHOD OF PAYMENT (check one)  | FEE CALCULATION (continued)   |                            |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
|--|---|----------------------------|----------------------------|--|----------|-----|-----|-----|--------------------------|-------------------------------------|-----|-----|---------------------------|-----|-------------------|--|---------------|---------------|-----------------|----------|------------------|---------------------------|-----|-----|------------------------|-----|--------------------|--|-----|-----|-----------------------------------|-----|------------------------|--|-----|-----|--------------------------|-----|-------|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-------|-----|-----|--|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|--|--|-----|-------|-----|-----|--|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|---|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|---------------------------|--|--|--|---------------------------|--|--|--|
| <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <input type="text"/></p> <p>Deposit Account Name <input type="text"/></p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Making of the Notice of Allowance, 37 CFR 1.311(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:<br/><input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>  | <p>3. ADDITIONAL FEES</p> <table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oeth</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>130</td><td>130</td><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,400</td><td>147</td><td>2,400</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>112</td><td>900</td><td>112</td><td>900</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,790</td><td>113</td><td>1,790</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td></td></tr><tr><td>116</td><td>360</td><td>216</td><td>185</td><td>Extension for response within second month</td><td></td></tr><tr><td>117</td><td>830</td><td>217</td><td>485</td><td>Extension for response within third month</td><td></td></tr><tr><td>118</td><td>1,470</td><td>218</td><td>735</td><td>Extension for response within fourth month</td><td></td></tr><tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>280</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,470</td><td>138</td><td>1,470</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr><tr><td>141</td><td>1,290</td><td>241</td><td>645</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr><tr><td>142</td><td>1,290</td><td>242</td><td>645</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>650</td><td>244</td><td>325</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>230</td><td>126</td><td>230</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>770</td><td>246</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>149</td><td>770</td><td>249</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td colspan="2">Other fee (specify) _____</td><td colspan="2"></td></tr><tr><td colspan="2">Other fee (specify) _____</td><td colspan="2"></td></tr></tbody></table> | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid | 105 | 130 | 205 | 65                       | Surcharge - late filing fee or oeth |     | 127 | 50                        | 227 | 25                | Surcharge - late provisional filing fee or cover sheet |               | 130           | 130             | 130      | 130              | Non-English specification |     | 147 | 2,400                  | 147 | 2,400              | For filing a request for reexamination |     | 112 | 900                               | 112 | 900                    | Requesting publication of SIR prior to Examiner action |     | 113 | 1,790                    | 113 | 1,790 | Requesting publication of SIR after Examiner action |     | 115 | 110   | 215 | 55  | Extension for response within first month |     | 116 | 360   | 216 | 185 | Extension for response within second month |  | 117 | 830 | 217 | 485 | Extension for response within third month |  | 118 | 1,470 | 218 | 735 | Extension for response within fourth month |  | 119 | 300 | 219 | 150 | Notice of Appeal |  | 120 | 300 | 220 | 150 | Filing a brief in support of an appeal |  | 121 | 280 | 221 | 130 | Request for oral hearing |  | 138 | 1,470 | 138 | 1,470 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive unavoidably abandoned application |  | 141 | 1,290 | 241 | 645 | Petition to revive unintentionally abandoned application |  | 142 | 1,290 | 242 | 645 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 650 | 244 | 325 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Petitions related to provisional applications |  | 126 | 230 | 126 | 230 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 770 | 246 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 149 | 770 | 249 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  | Other fee (specify) _____ |  |  |  | Other fee (specify) _____ |  |  |  |
| Large Entity Fee Code (\$)   | Small Entity Fee Code (\$)  | Fee Description            | Fee Paid                   |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 105  | 130   | 205                        | 65                         | Surcharge - late filing fee or oeth  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 127  | 50  | 227                        | 25                         | Surcharge - late provisional filing fee or cover sheet                     |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 130  | 130   | 130                        | 130                        | Non-English specification  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 147  | 2,400   | 147                        | 2,400                      | For filing a request for reexamination                                     |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 112  | 900   | 112                        | 900                        | Requesting publication of SIR prior to Examiner action                     |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 113  | 1,790   | 113                        | 1,790                      | Requesting publication of SIR after Examiner action                        |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 115  | 110   | 215                        | 55                         | Extension for response within first month                                  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 116  | 360   | 216                        | 185                        | Extension for response within second month                                 |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 117  | 830   | 217                        | 485                        | Extension for response within third month                                  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 118  | 1,470   | 218                        | 735                        | Extension for response within fourth month                                 |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 119  | 300   | 219                        | 150                        | Notice of Appeal   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 120  | 300   | 220                        | 150                        | Filing a brief in support of an appeal                                     |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 121  | 280   | 221                        | 130                        | Request for oral hearing   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 138  | 1,470   | 138                        | 1,470                      | Petition to institute a public use proceeding                              |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 140  | 110   | 240                        | 55                         | Petition to revive unavoidably abandoned application                       |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 141  | 1,290   | 241                        | 645                        | Petition to revive unintentionally abandoned application                   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 142  | 1,290   | 242                        | 645                        | Utility issue fee (or reissue)   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 143  | 440   | 243                        | 220                        | Design issue fee   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 144  | 650   | 244                        | 325                        | Plant issue fee  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 122  | 130   | 122                        | 130                        | Petitions to the Commissioner  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 123  | 50  | 123                        | 50                         | Petitions related to provisional applications                              |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 126  | 230   | 126                        | 230                        | Submission of Information Disclosure Stmt                                  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 581  | 40  | 581                        | 40                         | Recording each patent assignment per property (times number of properties) |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 146  | 770   | 246                        | 385                        | Filing a submission after final rejection (37 CFR 1.129(a))                |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 149  | 770   | 249                        | 385                        | For each additional invention to be examined (37 CFR 1.129(b))             |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Other fee (specify) _____  |   |                            |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Other fee (specify) _____  |   |                            |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| <p>FEE CALCULATION (fees effective 10/01/95)</p> <p>1. FILING FEE</p> <table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>770</td><td>201</td><td>385</td><td>Utility filing fee</td><td>\$ 385</td></tr><tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>530</td><td>207</td><td>265</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>770</td><td>208</td><td>385</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr></tbody></table> <p>SUBTOTAL (1) (\$)</p>   | Large Entity Fee Code (\$)  | Small Entity Fee Code (\$) | Fee Description            | Fee Paid   | 101      | 770 | 201 | 385 | Utility filing fee       | \$ 385                              | 106 | 320 | 206                       | 160 | Design filing fee |  | 107           | 530           | 207             | 265      | Plant filing fee |                           | 108 | 770 | 208                    | 385 | Reissue filing fee |  | 114 | 150 | 214                               | 75  | Provisional filing fee |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Large Entity Fee Code (\$)   | Small Entity Fee Code (\$)  | Fee Description            | Fee Paid                   |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 101  | 770   | 201                        | 385                        | Utility filing fee   | \$ 385   |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 106  | 320   | 206                        | 160                        | Design filing fee  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 107  | 530   | 207                        | 265                        | Plant filing fee   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 108  | 770   | 208                        | 385                        | Reissue filing fee   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 114  | 150   | 214                        | 75                         | Provisional filing fee   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| <p>2. CLAIMS</p> <table border="1"><thead><tr><th>Total Claims</th><th>Extra</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>-20 =</td><td></td><td>X</td><td></td></tr><tr><td>Independent Claims - 3 =</td><td></td><td>X</td><td></td></tr><tr><td>Multiple Dependent Claims</td><td></td><td>X</td><td></td></tr></tbody></table> <p>Large Entity Small Entity</p> <table border="1"><thead><tr><th>Fee Code (\$)</th><th>Fee Code (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>22</td><td>203</td><td>11</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim</td><td></td></tr><tr><td>109</td><td>80</td><td>209</td><td>40</td><td>Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>22</td><td>210</td><td>11</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr></tbody></table> <p>SUBTOTAL (2) (\$)</p> | Total Claims  | Extra                      | Fee from below             | Fee Paid   | -20 =    |     | X   |     | Independent Claims - 3 = |                                     | X   |     | Multiple Dependent Claims |     | X                 |  | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid | 103              | 22                        | 203 | 11  | Claims in excess of 20 |     | 102                | 80                                     | 202 | 40  | Independent claims in excess of 3 |     | 104                    | 260  | 204 | 130 | Multiple dependent claim |     | 109   | 80  | 209 | 40  | Reissue independent claims over original patent |     | 110 | 22  | 210 | 11  | Reissue claims in excess of 20 and over original patent |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Total Claims   | Extra   | Fee from below             | Fee Paid                   |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| -20 =  |   | X                          |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Independent Claims - 3 =   |   | X                          |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Multiple Dependent Claims  |   | X                          |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| Fee Code (\$)  | Fee Code (\$)   | Fee Description            | Fee Paid                   |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 103  | 22  | 203                        | 11                         | Claims in excess of 20   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 102  | 80  | 202                        | 40                         | Independent claims in excess of 3  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 104  | 260   | 204                        | 130                        | Multiple dependent claim   |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 109  | 80  | 209                        | 40                         | Reissue independent claims over original patent                            |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| 110  | 22  | 210                        | 11                         | Reissue claims in excess of 20 and over original patent                    |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |
| SUBTOTAL (3) (\$)  |   |                            |                            |  |          |     |     |     |                          |                                     |     |     |                           |     |                   |  |               |               |                 |          |                  |                           |     |     |                        |     |                    |  |     |     |                                   |     |                        |  |     |     |                          |     |       |   |     |     |   |     |     |   |     |     |   |     |     |  |  |     |     |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |  |  |     |       |     |     |  |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |                           |  |  |  |                           |  |  |  |

\* Reduced by Basic Filing Fee Paid

| SUBMITTED BY          |                         | Complete (if applicable) |          |
|-----------------------|-------------------------|--------------------------|----------|
| Typed or Printed Name | Lloyd C. Mostrom        | Reg. Number              |          |
| Signature             | <i>Lloyd C. Mostrom</i> | Date                     | 10/30/03 |
|                       |                         | Deposit Account User ID  |          |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.